

Author index to volume 270

- Agmon, N., see Zaloj, V. 270 (1997) 476
- Åkerlund, C., I. Zorić, B. Kasemo, A. Cupolillo, F. Buatier de Mongeot and M. Rocca,
Dissociation of O₂ chemisorbed on Ag (110) and Pt(111) induced by energetic Xe atoms 270 (1997) 157
- Allen, M.D., B.Z. Li and L.M. Ziurys, A millimeter/sub-millimeter-wave spectroscopic
study of the FeCl radical (X ⁶Δ₁) 270 (1997) 517
- Amaya, K., see Teki, Y. 270 (1997) 573
- Ambrose, W.P., see Enderlein, J. 270 (1997) 464
- Anishchik, S.V., see Borovkov, V.I. 270 (1997) 327
- Anisimov, O.A., see Borovkov, V.I. 270 (1997) 327
- Arabei, S.M., J.P. Galaup and P. Jardon, Analysis of the site selected fluorescence and the
phosphorescence spectrum of hypericin in ethanol 270 (1997) 31
- Balakrishnan, G. and S. Umapathy, Intermolecular hydrogen atom abstraction from the
fluoranyl triplet excited state: a Raman study 270 (1997) 557
- Baltuška, A., I.H.M. van Stokkum, A. Kroon, R. Monshouwer, K.J. Hellingwerf and R.
van Grondelle, The primary events in the photoactivation of yellow protein 270 (1997) 263
- Barborini, E., see Biasioli, F. 270 (1997) 115
- Baroni, S., see Lorentzen, J.D. 270 (1997) 129
- Barth, J.V., T. Zambelli, J. Wintterlin and G. Ertl, Hot precursors in the adsorption of
molecular oxygen on Ag(110) 270 (1997) 152
- BelBruno, J.J., Ab initio calculations of the structures and energies of gas phase isomeric
C₃N₄ molecules 270 (1997) 99
- Ben-Nun, M., T.J. Martínez and R.D. Levine, Multiple traversals of a conical intersection:
electronic quenching in Na⁺ + H₂ 270 (1997) 319
- Berden, G., see Jongma, R.T. 270 (1997) 304
- Biasioli, F., A. Boschetti, E. Barborini, P. Piseri, P. Milani and S. Iannotta, Photofragmen-
tation of C₆₀ in seeded supersonic molecular beams: effects of ro-vibrational cooling 270 (1997) 115
- Biemans, T., see Hendrickx, E. 270 (1997) 241
- Bieske, E.J., see Meuwly, M. 270 (1997) 252
- Blackford, M., see Gadd, G.E. 270 (1997) 108
- Blaudeau, J.P., see Deutsch, P.W. 270 (1997) 413
- Borovkov, V.I., S.V. Anishchik and O.A. Anisimov, Time-resolved electric field effects in
recombination fluorescence as a method of studying primary radiation–chemical pro-
cesses 270 (1997) 327
- Boschetti, A., see Biasioli, F. 270 (1997) 115
- Boutton, C., see Hendrickx, E. 270 (1997) 241
- Bretón, J., see Ruiz, A. 270 (1997) 121

- Britt, B.M. and J.L. McHale, Resonance Raman study of a two-chromophore system. The 2:1 complex of hexamethylbenzene with tetracyanoethylene 270 (1997) 551
- Brüschweiler, R., Nuclear spin relaxation and non-ergodic quasi-equilibria 270 (1997) 217
- Buatier de Mongeot, F., A. Cupolillo, U. Valbusa and M. Rocca, O_2 dissociation on Ag(001): the role of kink sites 270 (1997) 345
- Buatier de Mongeot, F., see Åkerlund, C. 270 (1997) 157
- Buckingham, A.D., see Read, J.P. 270 (1997) 245
- Cassidy, D., see Gadd, G.E. 270 (1997) 108
- Chan, K.-C., see Weng, Y.-X. 270 (1997) 315
- Chandra, A.K. and V. Sreedhara Rao, Two-dimensional tunneling of hydrogen in a Norrish type II process of a ketone 270 (1997) 87
- Charutz, D.M., see Rom, N. 270 (1997) 382
- Che, C.-M., see Weng, Y.-X. 270 (1997) 315
- Chen, L.X. and P.D. Laible, Third order nonlinear optical properties of bacteriochlorophylls in bacterial photosynthetic light-harvesting proteins 270 (1997) 255
- Cheng, G., see Gu, G. 270 (1997) 135
- Chirvony, V.S., see Kruglik, S.G. 270 (1997) 293
- Chosrowjan, H., N. Mataga, N. Nakashima, Y. Imamoto and F. Tokunaga, Femtosecond-picosecond fluorescence studies on excited state dynamics of photoactive yellow protein from *Ectothiorhodospira halophila* 270 (1997) 267
- Clays, K., see Hendrickx, E. 270 (1997) 241
- Cupolillo, A., see Åkerlund, C. 270 (1997) 157
- Cupolillo, A., see Buatier de Mongeot, F. 270 (1997) 345
- Curtiss, L.A., K. Raghavachari, P.C. Redfern and J.A. Pople, Investigation of the use of B3LYP zero-point energies and geometries in the calculation of enthalpies of formation 270 (1997) 419
- Curtiss, L.A., see Deutsch, P.W. 270 (1997) 413
- Delaney, N., see Faeder, J. 270 (1997) 196
- Del Barrio, J.I., R. Fernández C  zar and F.M. G-Tablas, Pulsed infrared carbon selective dissociation of CF_3Br with N_2 and D_2 as buffers 270 (1997) 71
- Deligiannakis, Y., C. Jegersch  ld and A.W. Rutherford, EPR and ESEEM study of the plastoquinone anion radical Q_A^- in photosystem II treated at high pH 270 (1997) 564
- Delisle, C.J., see Roney, A. 270 (1997) 59
- Deng, L., W.R. Garrett, M.G. Payne and M.A. Moore, Gain suppression involving both stimulated Raman and hyper-Raman photons in two-step stimulated emissions 270 (1997) 299
- Destombes, J.L., see Hadj Bachir, I. 270 (1997) 533
- Deutsch, P.W., L.A. Curtiss and J.P. Blaudeau, Binding energies of germanium clusters, Ge_n ($n = 2-5$) 270 (1997) 413
- Diestler, D.J., see Schoen, M. 270 (1997) 339
- Ding, S. and C.A. McDowell, Shaped pulse excitation in multi-quantum magic-angle spinning spectroscopy of half-integer quadrupole spin systems 270 (1997) 81
- Ding, W., see Gu, G. 270 (1997) 135
- Dopfer, O., see Meuwly, M. 270 (1997) 252
- Doverst  l, M., L. Karlsson, B. Lindgren and U. Sassenberg, The $^3\Delta_u-X^3\Delta_g$ band system of jet-cooled Ti_2 270 (1997) 273
- Du, Y., see Gu, G. 270 (1997) 135
- Duncan, D.I., see Maas, D.J. 270 (1997) 45

- Earl, W.L., see Labouriau, A. 270 (1997) 278
- Echave, J., see Palma, J. 270 (1997) 206
- Elcombe, M., see Gadd, G.E. 270 (1997) 108
- Enderlein, J., P.M. Goodwin, A. Van Orden, W.P. Ambrose, R. Erdmann and R.A. Keller,
A maximum likelihood estimator to distinguish single molecules by their fluorescence
decays 270 (1997) 464
- Engel, V., see Markert, T. 270 (1997) 222
- Erdmann, R., see Enderlein, J. 270 (1997) 464
- Ermolenkov, V.V., see Kruglik, S.G. 270 (1997) 293
- Ertl, G., see Barth, J.V. 270 (1997) 152
- Evans, P.J., see Gadd, G.E. 270 (1997) 108
- Faeder, J., N. Delaney, P.E. Maslen and R. Parson, Charge flow and solvent dynamics in
the photodissociation of cluster ions: a nonadiabatic molecular dynamics study of
 $I_2^- \cdot Ar_n$ 270 (1997) 196
- Fang, J., J. Wu, X. Lu, Y. Shen and Z. Lu, Sensitization of nanocrystalline TiO_2 electrode
with quantum sized CdSe and ZnTCPC molecules 270 (1997) 145
- Ferguson, E.E., see Le Garrec, J.L. 270 (1997) 66
- Fernández C  zar, R., see del Barrio, J.I. 270 (1997) 71
- Fisz, J.J. and A. van Hoek, Picosecond emission anisotropy decays of dimethyl aminoben-
zonitrile 270 (1997) 432
- Flammang, R., see Lahem, D. 270 (1997) 93
- Flores, J.R., On the accuracy of second-order M  ller–Plesset correlation energies 270 (1997) 427
- Fogarasi, G., see Szalay, P.G. 270 (1997) 406
- Francisco, J.S., see L.Richardson, S. 270 (1997) 395
- G-Tablas, F.M., see del Barrio, J.I. 270 (1997) 71
- Gadd, G.E., P.J. Evans, D.J. Hurwood, P.L. Morgan, S. Moricca, N. Webb, J. Holmes, G.
McOrist, T. Wall, M. Blackford, D. Cassidy, M. Elcombe, J.T. Noorman, P. Johnson
and P. Prasad, Endohedral fullerene formation through prompt gamma recoil 270 (1997) 108
- Galaup, J.P., see Arabei, S.M. 270 (1997) 31
- Galievsky, V.A., see Kruglik, S.G. 270 (1997) 293
- Garrett, W.R., see Deng, L. 270 (1997) 299
- Gatt, R., see Panas, I. 270 (1997) 178
- Geerlings, P., see Verbandt, Y. 270 (1997) 471
- Georgiou, S., A. Koubenakis, M. Syrrou and P. Kontoleta, The importance of the plume
ejection time for the fragmentation yields observed in the UV ablation of molecular van
der Waals films. Ablation of chlorobenzene films at 248 nm 270 (1997) 491
- Giannozzi, P., see Lorentzen, J.D. 270 (1997) 129
- Giebel, U., see Smith, B.A. 270 (1997) 139
- Gill, P.M.W., A new expansion of the Coulomb interaction 270 (1997) 193
- Gladenkova, S.N., see Osad'ko, I.S. 270 (1997) 183
- Gomez Llorente, J.M., see Ruiz, A. 270 (1997) 121
- Goodwin, P.M., see Enderlein, J. 270 (1997) 464
- Grigorenko, B.L. and A.V. Nemukhin, Modelling trapping sites of $(HF)_2$ in argon clusters 270 (1997) 103
- Grill, V., see W  rg  tter, R. 270 (1997) 333
- Gu, G., W. Ding, G. Cheng, S. Zhang, Y. Du and S. Yang, Photoluminescence studies on
 C_{60} trapped in NiY zeolite 270 (1997) 135
- Guha, S., see Lorentzen, J.D. 270 (1997) 129

- Hadj Bachir, I., T.R. Huet, J.L. Destombes and M. Vervloet, Laser optogalvanic spectroscopy of N_2 from the $A^3\Sigma_u^+$ metastable state in a corona excited supersonic expansion 270 (1997) 533
- Head-Gordon, M., see Ochsenfeld, C. 270 (1997) 399
- Hellingwerf, K.J., see Baltuška, A. 270 (1997) 263
- Helm, R.M., H.-P. Vogel and H.J. Neusser, Highly resolved UV spectroscopy: structure of S_1 benzonitrile and benzonitrile-argon by correlation automated rotational fitting 270 (1997) 285
- Hendrickx, E., C. Boutton, K. Clays, A. Persoons, S. van Es, T. Biemans and B. Meijer, Quadratic nonlinear optical properties of correlated chromophores: cyclic 6,6'-dinitro-1,1'-binaphthyl-2,2'-ethers 270 (1997) 241
- Herman, Z., see Wörgötter, R. 270 (1997) 333
- Hirano, M., see Judai, K. 270 (1997) 23
- Holmes, J., see Gadd, G.E. 270 (1997) 108
- Huet, T.R., see Hadj Bachir, I. 270 (1997) 533
- Hurwood, D.J., see Gadd, G.E. 270 (1997) 108
- Iannotta, S., see Biasioli, F. 270 (1997) 115
- Imamoto, Y., see Chosrowjan, H. 270 (1997) 267
- Imhof, R., H. Teramae and J. Michl, Conformational effects in UV absorption spectra of tetrasilanes 270 (1997) 500
- Itoh, K., see Teki, Y. 270 (1997) 573
- Jackson, B., Reduced density matrix approach for gas-solid scattering 270 (1997) 484
- Jäger, W., S. Schneider and J.W. Verhoeven, Influence of solvent viscosity and permittivity on the harpooning mechanism in semirigidly bridged electron donor-acceptor systems 270 (1997) 50
- Jardon, P., see Arabei, S.M. 270 (1997) 31
- Jayathirtha Rao, V., see Raj Gopal, V. 270 (1997) 593
- Jegerschöld, C., see Deligiannakis, Y. 270 (1997) 564
- Johnson, P., see Gadd, G.E. 270 (1997) 108
- Jongma, R.T., G. von Helden, G. Berden and G. Meijer, Confining CO molecules in stable orbits 270 (1997) 304
- Judai, K., M. Hirano, H. Kawamata, S. Yabushita, A. Nakajima and K. Kaya, Formation of vanadium-arene complex anions and their photoelectron spectroscopy 270 (1997) 23
- Kachanov, A.A., see Romanini, D. 270 (1997) 538
- Kachanov, A.A., see Romanini, D. 270 (1997) 546
- Kalnin, Yu.R.H., G.J. Zvejnicks and E.A. Kotomin, The effect of the particle generation function on the rate of the diffusion-controlled $A + B \rightarrow B$ reaction with a permanent particle source 270 (1997) 229
- Karasiev, V., see López-Boada, R. 270 (1997) 443
- Karlsson, L., see Doverstål, M. 270 (1997) 273
- Kasemo, B., see Åkerlund, C. 270 (1997) 157
- Kawai, T., see Tokue, I. 270 (1997) 587
- Kawamata, H., see Judai, K. 270 (1997) 23
- Kaya, K., see Judai, K. 270 (1997) 23
- Keller, R.A., see Enderlein, J. 270 (1997) 464
- Kiefer, W., see Schmitt, M. 270 (1997) 9
- Knopp, G., see Schmitt, M. 270 (1997) 9
- Kobayashi, T., see Teki, Y. 270 (1997) 573

- Kontoleta, P., see Georgiou, S. 270 (1997) 491
- Kotomin, E.A., see Kalnin, Yu.R.H. 270 (1997) 229
- Koubenakis, A., see Georgiou, S. 270 (1997) 491
- Kroon, A., see Baltuška, A. 270 (1997) 263
- Kruglik, S.G., V.V. Ermolenkov, A.G. Shvedko, V.A. Orlovich, V.A. Galievsky, V.S. Chirvony, C. Otto and P.-Y. Turpin, Intermolecular interaction of photoexcited Cu(TMPy-P4) with water studied by transient resonance Raman and picosecond absorption spectroscopies 270 (1997) 293
- Kurokawa, S., see Teki, Y. 270 (1997) 573
- Kwok, W.M. and D.L. Phillips, Gas and solution phase chloriodomethane short-time photodissociation dynamics in the B-band absorption 270 (1997) 506
- Labouriau, A. and W.L. Earl, Titanium solid-state NMR in anatase, brookite and rutile 270 (1997) 278
- Lahem, D., R. Flammang and M.T. Nguyen, Observation of thiohydroxy-hydroxy-carbene [HS-C-OH] when searching for thionformic acid [HC(=S)OH] in the gas phase 270 (1997) 93
- Lai, R., see Mungan, C.E. 270 (1997) 309
- Laible, P.D., see Chen, L.X. 270 (1997) 255
- Larzillière, M., see Roney, A. 270 (1997) 59
- Le Garrec, J.L., V. Lepage, B.R. Rowe and E.E. Ferguson, The temperature dependence of the rate constant for $O^+ + NO \rightarrow NO^+ + O$ from 23 to 30000 K 270 (1997) 66
- Lepage, V., see Le Garrec, J.L. 270 (1997) 66
- Levine, R.D., see Ben-Nun, M. 270 (1997) 319
- Li, B.Z., see Allen, M.D. 270 (1997) 517
- Lindgren, B., see Doverstål, M. 270 (1997) 273
- Liu, S., see López-Boada, R. 270 (1997) 443
- López-Boada, R., V. Karasiev and S. Liu, Padé approximation for the polynomial representation of the correlation energy density functional 270 (1997) 443
- Lorentzen, J.D., S. Guha, J. Menéndez, P. Giannozzi and S. Baroni, Raman cross section for the pentagonal-pinch mode in buckminsterfullerene C_{60} 270 (1997) 129
- L.Richardson, S., J.S. Francisco, A.M. Mebel and K. Morokuma, Can chlorine anion catalyze the reaction of HOCl with HCl? 270 (1997) 395
- Lu, X., see Fang, J. 270 (1997) 145
- Lu, Z., see Fang, J. 270 (1997) 145
- Luo, R.-S. and X.-A. Mao, Observation of the exchange of small molecules between phases in a SDS micellar system 270 (1997) 77
- Maas, D.J., D.I. Duncan, A.F.G. van der Meer, W.J. van der Zande and L.D. Noordam, Vibrational ladder climbing in NO by ultrashort infrared laser pulses 270 (1997) 45
- Maier, J.P., see Meuwly, M. 270 (1997) 252
- Malisch, W., see Markert, T. 270 (1997) 222
- Mao, X.-A., see Luo, R.-S. 270 (1997) 77
- Märk, T.D., see Wörgötter, R. 270 (1997) 333
- Markert, T., W. Malisch and V. Engel, Vibrational dynamics and energy flow in a multi-mode organometallic compound 270 (1997) 222
- Martínez, T.J., see Ben-Nun, M. 270 (1997) 319
- Maslen, P.E., see Faeder, J. 270 (1997) 196
- Mataga, N., see Chosrowjan, H. 270 (1997) 267
- Materny, A., see Schmitt, M. 270 (1997) 9

- Mathur, D., see Vijayalakshmi, K. 270 (1997) 37
- Mayer, I., G. Räther and S. Suhai, The chemical Hamiltonian approach for infinite chains 270 (1997) 211
- McDowell, C.A., see Ding, S. 270 (1997) 81
- McHale, J.L., see Britt, B.M. 270 (1997) 551
- McOrist, G., see Gadd, G.E. 270 (1997) 108
- Mebel, A.M., see L.Richardson, S. 270 (1997) 395
- Meijer, B., see Hendrickx, E. 270 (1997) 241
- Meijer, G., see Jongma, R.T. 270 (1997) 304
- Menéndez, J., see Lorentzen, J.D. 270 (1997) 129
- Menzel, D., see Narloch, B. 270 (1997) 163
- Merkt, F., see Palm, H. 270 (1997) 1
- Meuwly, M., S.A. Nizkorodov, E.J. Bieske, J.P. Maier and O. Dopfer, Reply to the Comment on "The ν_3 infrared spectrum of the He-NH $_4^+$ complex" 270 (1997) 252
- Miaskiewicz, K. and D.A. Smith, Computational density functional theory vibrational spectra of cubane 270 (1997) 376
- Michl, J., see Imhof, R. 270 (1997) 500
- Mikhailov, M.A., see Osad'ko, I.S. 270 (1997) 183
- Milani, P., see Biasioli, F. 270 (1997) 115
- Miura, Y., see Teki, Y. 270 (1997) 573
- Monshouwer, R., see Baltuška, A. 270 (1997) 263
- Moore, M.A., see Deng, L. 270 (1997) 299
- Morgan, P.L., see Gadd, G.E. 270 (1997) 108
- Moricca, S., see Gadd, G.E. 270 (1997) 108
- Morokuma, K., see L.Richardson, S. 270 (1997) 395
- Mungan, C.E., R. Lai and A.J. Sievers, Novel temperature dependence of the vibrational relaxation of SH $^-$ in a two-state hopping system 270 (1997) 309
- Nachtigallová, D., M. Roeselová and R. Zahradník, Ab initio studies of the oxidation of methane with oxo-metal cations 270 (1997) 357
- Nakajima, A., see Judai, K. 270 (1997) 23
- Nakashima, N., see Chosrowjan, H. 270 (1997) 267
- Narloch, B. and D. Menzel, Structural evidence for chemical contributions in the bonding of the heavy rare gases on a close-packed transition metal surface: Xe and Kr on Ru(001) 270 (1997) 163
- Nemukhin, A.V., see Grigorenko, B.L. 270 (1997) 103
- Neuhauser, D., see Rom, N. 270 (1997) 382
- Neusser, H.J., see Helm, R.M. 270 (1997) 285
- Nguyen, M.T., see Lahem, D. 270 (1997) 93
- Nizkorodov, S.A., see Meuwly, M. 270 (1997) 252
- Noordam, L.D., see Maas, D.J. 270 (1997) 45
- Noorman, J.T., see Gadd, G.E. 270 (1997) 108
- Nowakowska, M., M. Smoluch and P. Petelenz, Mixing of exciton-transfer and charge-transfer contributions to the wavefunction of the naphthalene-hexachlorobiphenyl exciplex 270 (1997) 234
- Ochsenfeld, C. and M. Head-Gordon, A reformulation of the coupled perturbed self-consistent field equations entirely within a local atomic orbital density matrix-based scheme 270 (1997) 399
- Okada, A., see Teki, Y. 270 (1997) 573

- Orlovich, V.A., see Kruglik, S.G. 270 (1997) 293
- Osad'ko, I.S., M.A. Mikhailov and S.N. Gladenkova, Does the standard TLS model fail to explain the experimental data on the long-lived stimulated photon echo in amorphous solids? 270 (1997) 183
- Otto, C., see Kruglik, S.G. 270 (1997) 293
- Palm, H. and F. Merkt, Ion density effects in the pulsed field ionization of high Rydberg states 270 (1997) 1
- Palma, J. and J. Echave, An analytical Fourier transform method for semiclassical quantization 270 (1997) 206
- Panas, I. and R. Gatt, On the superconductivity in $(\text{Sr}, \text{Ca})_{14}\text{Cu}_{24}\text{O}_{41}$ - towards a chemical standard model 270 (1997) 178
- Parson, R., see Faeder, J. 270 (1997) 196
- Pascual, J.L. and L.G.M. Pettersson, Electrostatic potential from embedded clusters 270 (1997) 351
- Payne, M.G., see Deng, L. 270 (1997) 299
- Persoons, A., see Hendrickx, E. 270 (1997) 241
- Petelenz, P., see Nowakowska, M. 270 (1997) 234
- Pettersson, L.G.M., see Pascual, J.L. 270 (1997) 351
- Phillips, D.L., see Kwok, W.M. 270 (1997) 506
- Piseri, P., see Biasioli, F. 270 (1997) 115
- Plakhotnik, T., see Walser, D. 270 (1997) 16
- Pople, J.A., see Curtiss, L.A. 270 (1997) 419
- Prasad, P., see Gadd, G.E. 270 (1997) 108
- Raghavachari, K., see Curtiss, L.A. 270 (1997) 419
- Rahman, N., The degenerate two-level system and high-order harmonic generation 270 (1997) 189
- Raj Gopal, V., V. Jayathirtha Rao, G. Saroja and A. Samanta, Photophysical behaviour of some pyrenylethylene derivatives and its implication on trans \rightarrow cis photoisomerisation reactions 270 (1997) 593
- Ramachandran, B., J. Senekowitsch and R.E. Wyatt, A quasiclassical trajectory study of the reaction $\text{O}(^3\text{P}) + \text{HCl} (\nu = 2, j = 1, 6, 9) \rightarrow \text{OH}(\nu', j') + \text{Cl}$ on a new potential surface 270 (1997) 387
- Räther, G., see Mayer, I. 270 (1997) 211
- Ravindra Kumar, G., see Vijayalakshmi, K. 270 (1997) 37
- Read, J.P. and A.D. Buckingham, Comment on: "The ν_3 infrared spectrum of the He-NH_4^+ complex" 270 (1997) 245
- Redfern, P.C., see Curtiss, L.A. 270 (1997) 419
- Remko, M., Gas-phase binding of Li^+ , Na^+ and Mg^{2+} to formaldehyde, acetaldehyde and their silicon and sulfur analogs. A theoretical study by means of ab initio molecular orbital methods at the G2 level of theory 270 (1997) 369
- Renn, A., see Walser, D. 270 (1997) 16
- Rikken, G.L.J.A., see Verbandt, Y. 270 (1997) 471
- Rocca, M., see Åkerlund, C. 270 (1997) 157
- Rocca, M., see Buatier de Mongeot, F. 270 (1997) 345
- Roeselová, M., see Nachtigallová, D. 270 (1997) 357
- Rom, N., D.M. Charutz and D. Neuhauser, Shifted-contour auxiliary-field Monte Carlo: circumventing the sign difficulty for electronic-structure calculations 270 (1997) 382
- Romanini, D., A.A. Kachanov and F. Stoeckel, Cavity ringdown spectroscopy: broad band absolute absorption measurements 270 (1997) 546

- Romanini, D., A.A. Kachanov and F. Stoeckel, Diode laser cavity ring down spectroscopy 270 (1997) 538
- Roney, A., C.J. Delisle and M. Larzillière, Measurements of kinetic energies released to the $2s\ ^3S + 1s\ ^1S$ dissociation threshold of He_2 270 (1997) 59
- Rowe, B.R., see Le Garrec, J.L. 270 (1997) 66
- Ruiz, A., J. Bretón and J.M. Gomez Llorente, Scattering cross sections for low-energy rare-gas + C_{60} and $C_{60} + C_{60}$ collisions 270 (1997) 121
- Rutherford, A.W., see Deligiannakis, Y. 270 (1997) 564
- Safvan, C.P., see Vijayalakshmi, K. 270 (1997) 37
- Samanta, A., see Raj Gopal, V. 270 (1997) 593
- Saroja, G., see Raj Gopal, V. 270 (1997) 593
- Sassenberg, U., see Doverstål, M. 270 (1997) 273
- Schmid, G., see Smith, B.A. 270 (1997) 139
- Schmitt, M., G. Knopp, A. Materny and W. Kiefer, Femtosecond time-resolved coherent anti-Stokes Raman scattering for the simultaneous study of ultrafast ground and excited state dynamics: iodine vapour 270 (1997) 9
- Schneider, S., see Jäger, W. 270 (1997) 50
- Schoen, M. and D.J. Diestler, Liquid-vapor coexistence in a chemically heterogeneous slit-nanopore 270 (1997) 339
- Schwarz, H., see Wörgötter, R. 270 (1997) 333
- Senekowitsch, J., see Ramachandran, B. 270 (1997) 387
- Shen, Y., see Fang, J. 270 (1997) 145
- Shvedko, A.G., see Kruglik, S.G. 270 (1997) 293
- Sievers, A.J., see Mungan, C.E. 270 (1997) 309
- Smith, B.A., J.Z. Zhang, U. Giebel and G. Schmid, Direct probe of size-dependent electronic relaxation in single-sized Au and nearly monodisperse Pt colloidal nanoparticles 270 (1997) 139
- Smith, D.A., see Miaskiewicz, K. 270 (1997) 376
- Smoluch, M., see Nowakowska, M. 270 (1997) 234
- So, S.P., A Gaussian-2 molecular orbital study of the unimolecular reactions of acetyl cyanide 270 (1997) 363
- Sreedhara Rao, V., see Chandra, A.K. 270 (1997) 87
- Stoeckel, F., see Romanini, D. 270 (1997) 538
- Stoeckel, F., see Romanini, D. 270 (1997) 546
- Suhai, S., see Mayer, I. 270 (1997) 211
- Syrrou, M., see Georgiou, S. 270 (1997) 491
- Szajdzinska-Pietek, E. and M. Wolszczak, Quenching of pyrene fluorescence by amphiphilic nitroxide radicals embedded in cationic micelles 270 (1997) 527
- Szalay, P.G. and G. Fogarasi, Theoretical prediction of the electronic excited states and resonance Raman intensities in formamide from coupled cluster calculations 270 (1997) 406
- Taatjes, C.A., see Thiesemann, H. 270 (1997) 580
- Teki, Y., K. Itoh, A. Okada, H. Yamakage, T. Kobayashi, K. Amaya, S. Kurokawa, S. Ueno and Y. Miura, Magnetic properties of stable N-[(dichlorophenyl)thio]-2,4,6-triphenylphenylaminy and N-[(dichlorophenyl)thio]-2,4,6-tris(chlorophenyl)phenylaminy radical crystals 270 (1997) 573
- Teramae, H., see Imhof, R. 270 (1997) 500
- Thienpont, H., see Verbandt, Y. 270 (1997) 471

- Thiesemann, H. and C.A. Taatjes, Temperature dependence of the reaction $C_2H(C_2D) + O_2$ between 295 and 700 K 270 (1997) 580
- Tokue, I., T. Kawai and K. Yamasaki, Rotational excitation of ions produced by the $He(2^3S)$ Penning ionization of CO and N_2 270 (1997) 587
- Tokunaga, F., see Chosrowjan, H. 270 (1997) 267
- Turpin, P.-Y., see Kruglik, S.G. 270 (1997) 293
- Ueno, S., see Teki, Y. 270 (1997) 573
- Umapathy, S., see Balakrishnan, G. 270 (1997) 557
- Valbusa, U., see Buatier de Mongeot, F. 270 (1997) 345
- Van der Meer, A.F.G., see Maas, D.J. 270 (1997) 45
- Van der Zande, W.J., see Maas, D.J. 270 (1997) 45
- Van Es, S., see Hendrickx, E. 270 (1997) 241
- Van Grondelle, R., see Baltuška, A. 270 (1997) 263
- Van Hoek, A., see Fisz, J.J. 270 (1997) 432
- Van Orden, A., see Enderlein, J. 270 (1997) 464
- Van Stokkum, I.H.M., see Baltuška, A. 270 (1997) 263
- Verbandt, Y., H. Thienpont, I. Veretennicoff, P. Geerlings and G.L.J.A. Rikken, Origin of the saturation of the third-order optical nonlinear response of one-dimensional conjugated systems 270 (1997) 471
- Veretennicoff, I., see Verbandt, Y. 270 (1997) 471
- Verhoeven, J.W., see Jäger, W. 270 (1997) 50
- Vervloet, M., see Hadj Bachir, I. 270 (1997) 533
- Vijayalakshmi, K., C.P. Safvan, G. Ravindra Kumar and D. Mathur, On the ionization and dissociation of NO_2 by short intense laser pulses 270 (1997) 37
- Vogel, H.-P., see Helm, R.M. 270 (1997) 285
- Von Helden, G., see Jongma, R.T. 270 (1997) 304
- Wall, T., see Gadd, G.E. 270 (1997) 108
- Walser, D., T. Plakhotnik, A. Renn and U.P. Wild, One- and two-photon spectroscopy on single molecules of diphenyloctatetraene 270 (1997) 16
- Webb, N., see Gadd, G.E. 270 (1997) 108
- Weng, Y.-X., H. Xiao, K.-C. Chan and C.-M. Che, Oscillations in a laser-induced chemical reaction: coupling of chemical reactions with an acoustic effect 270 (1997) 315
- Wild, U.P., see Walser, D. 270 (1997) 16
- Wintterlin, J., see Barth, J.V. 270 (1997) 152
- Wolszczak, M., see Szajdzinska-Pietek, E. 270 (1997) 527
- Wörgötter, R., V. Grill, Z. Herman, H. Schwarz and T.D. Märk, Low energy reactive and dissociative collisions of the acetone cation $CH_3COCH_3^+$ and its fragment ion CH_3CO^+ with a surface 270 (1997) 333
- Wu, G., Global topological approach to highly excited vibration: a case study of H_2O , CH_2Br_2 and CD_2Br_2 270 (1997) 453
- Wu, J., see Fang, J. 270 (1997) 145
- Wyatt, R.E., see Ramachandran, B. 270 (1997) 387
- Xiao, H., see Weng, Y.-X. 270 (1997) 315
- Xiao, M., Local field change of dipole near a surface: a rigorous image theory 270 (1997) 169

- Yabushita, S., see Judai, K. 270 (1997) 23
Yamakage, H., see Teki, Y. 270 (1997) 573
Yamasaki, K., see Tokue, I. 270 (1997) 587
Yang, S., see Gu, G. 270 (1997) 135

Zahradník, R., see Nachtigallová, D. 270 (1997) 357
Zaloz, V. and N. Agmon, Electrostatics by Brownian dynamics: solving the Poisson
equation near dielectric interfaces 270 (1997) 476
Zambelli, T., see Barth, J.V. 270 (1997) 152
Zhang, J.Z., see Smith, B.A. 270 (1997) 139
Zhang, S., see Gu, G. 270 (1997) 135
Ziurys, L.M., see Allen, M.D. 270 (1997) 517
Zorić, I., see Åkerlund, C. 270 (1997) 157
Zvejnieks, G.J., see Kalnin, Yu.R.H. 270 (1997) 229

